



Resource Management
Agency
COUNTY OF TULARE
AGENDA ITEM

BOARD OF SUPERVISORS

KUYLER CROCKER
District One
PETE VANDER POEL
District Two
AMY SHUKLIAN
District Three
EDDIE VALERO
District Four
DENNIS TOWNSEND
District Five

AGENDA DATE: June 23, 2020

Public Hearing Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Scheduled Public Hearing w/Clerk	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Published Notice Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Advertised Published Notice	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Meet & Confer Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Electronic file(s) has been sent	Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Budget Transfer (Aud 308) attached	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Personnel Resolution attached	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Agreements are attached and signature line for Chairman is marked with tab(s)/flag(s)	Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>

CONTACT PERSON: Celeste Perez PHONE: 559-624-7010

SUBJECT: Award Contract for Construction of Avenue 80 Railroad Crossing Improvements Project

REQUEST(S):

That the Board of Supervisors:

1. Approve and award the contract to the lowest responsive and responsible bidder, MAC General Engineering, Inc., from Strathmore, California, in the amount of \$167,947 for construction of Avenue 80 Railroad Crossing Improvements Project, in the community of Teviston; and
2. Authorize the Chair to sign the contract after review and approval as to form by County Counsel and upon receipt of certificates of insurance, bonds and evidence that the contractor possesses a valid State Contractors License; and
3. Allow funds for contingencies in the amount \$16,794 to cover unexpected construction conditions; and
4. Authorize the Director of the Resource Management Agency or his designee to approve contract change orders up to the amount of allowed funds for contingencies.

SUMMARY:

The Avenue 80 Railroad Crossing Improvements Project (the Project) proposes to improve the safety of the railroad crossing by reconstructing the approaches to the railroad crossing located near the Avenue 80 and Bishop Drive intersection. The Avenue 80 crossing of the Union Pacific Railroad is located in the unincorporated community of Teviston on the west side of State Route (SR) 99. There is a

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southbound off ramp to Avenue 80 from SR 99 east of the railroad crossing. The scope of work includes upgrades to the railroad crossing equipment (warning devices), resurfacing and reconstruction of the roadway approaches, and signage and striping, all of which will improve the safety of the existing at-grade railroad crossing.

Improvements to the railroad crossing warning devices will improve the visibility for motorists exiting to Avenue 80 from the SR 99 southbound off ramp. Repaving of the roadway approaches will eliminate the irregularities and dip in the approach grade at the track which may cause vehicles to scrape or become stuck. This will provide a smooth transition surface for vehicles to traverse safely across the crossing as well as provide a surface for pavement markings to adhere well to.

Construction Bids

The Project was authorized to bid by the Board of Supervisors (Resolution No. 2020-0182) on April 14, 2020. Bids were opened on May 21, 2020 and six (6) bids were received, summarized as follows:

Contractor	Total Bid
MAC General Engineering, Inc.	\$167,947.00
Dawson-Mauldin, LLC	\$204,401.50
American Paving Co.	\$208,546.00
Romanazzi General Engineering	\$214,810.00
Avison Construction, Inc.	\$231,659.00
Bush Engineering	\$234,760.00
Engineer's Estimate	\$261,704.00

The lowest bid in the amount of \$167,974 was submitted by MAC General Engineering, Inc., of Strathmore, CA. This bid is approximately \$93,757 lower than the Engineer's Estimate. The highly competitive bids came in lower than the Engineer's Estimate due to the sheer number of plan holders who were listed and bid on the project. Based on staff's analysis of the bids, the reduced project costs came mainly as a result of lower than estimated costs for Mobilization, Construction Area Signs, Traffic Control Plan, Prepare Water Pollution Control Plan, Clearing and Grubbing, and Roadway Excavation when compared to the Engineer's Estimate. The cost of lump sum items such as Mobilization and Clearing and Grubbing can greatly vary based on availability of local contractors and the competitiveness of the bidding market.

Based on the information mentioned above, it is Resource Management Agency staff's recommendation that the Board award the contract to MAC General Engineering, Inc., the lowest responsive and responsible bidder. MAC General Engineering, Inc. has satisfactorily performed similar projects, where they demonstrated that they (1) have adequate financial resources to perform the contract, (2) are able to comply with the associated legal or regulatory requirements, (3) have or can obtain necessary data, equipment, and facilities, and (4) is otherwise eligible

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and qualified to receive award.

Construction is anticipated to begin in July 2020.

FISCAL IMPACT/FINANCING:

No Net County Cost to the General Fund.

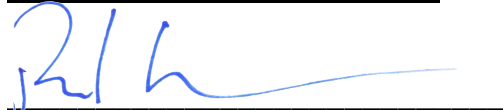
Funding for the Avenue 80 Railroad Crossing Improvements Project is 100% funded through the Federal Highway Administration's Railway-Highway Crossings (Section 130) Program. The Section 130 Program provides funds for the elimination of hazards at railway-highway crossings and has been correlated with a significant decrease in fatalities at railway-highway grade crossings. A summary of the total project cost for the Avenue 80 Railroad Crossing Improvements Project is as follows:

Engineering Design:	\$70,000
Construction:	\$167,947
Contingencies:	\$16,794
Construction Engineering:	\$60,000
<hr/>	
Total:	\$314,741

LINKAGE TO THE COUNTY OF TULARE STRATEGIC BUSINESS PLAN:

Safety and Security and Economic Well Being - This project will enhance the safety and security of the public by improving the transportation infrastructure for both the general population in the region and the local users of this facility.

ADMINISTRATIVE SIGN-OFF:



Reed Schenke, P.E.
Director

cc: County Administrative Office

Attachment(s) Attachment A – Vicinity Map

**BEFORE THE BOARD OF SUPERVISORS
COUNTY OF TULARE, STATE OF CALIFORNIA**

IN THE MATTER OF AWARD CONTRACT)
FOR CONSTRUCTION OF AVENUE 80) Resolution No. _____
RAILROAD CROSSING IMPROVEMENTS) Agreement No. _____
PROJECT)

UPON MOTION OF SUPERVISOR _____, SECONDED BY
SUPERVISOR _____, THE FOLLOWING WAS ADOPTED BY THE
BOARD OF SUPERVISORS, AT AN OFFICIAL MEETING HELD JUNE 23, 2020, BY
THE FOLLOWING VOTE:

AYES:
NOES:
ABSTAIN:
ABSENT:

ATTEST: JASON T. BRITT
COUNTY ADMINISTRATIVE OFFICER/
CLERK, BOARD OF SUPERVISORS

BY: _____
Deputy Clerk

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1. Approved and awarded the contract to the lowest responsive and responsible bidder, MAC General Engineering, Inc., from Strathmore, California, in the amount of \$167,947 for construction of Avenue 80 Railroad Crossing Improvements Project, in the community of Teviston; and
2. Authorized the Chair to sign the contract after review and approval as to form by County Counsel and upon receipt of certificates of insurance, bonds and evidence that the contractor possesses a valid State Contractors License; and
3. Allowed funds for contingencies in the amount \$16,794 to cover unexpected construction conditions; and
4. Authorized the Director of the Resource Management Agency or his designee to approve contract change orders up to the amount of allowed funds for contingencies.

Attachment A
Vicinity Map

